

FIGURE 1A

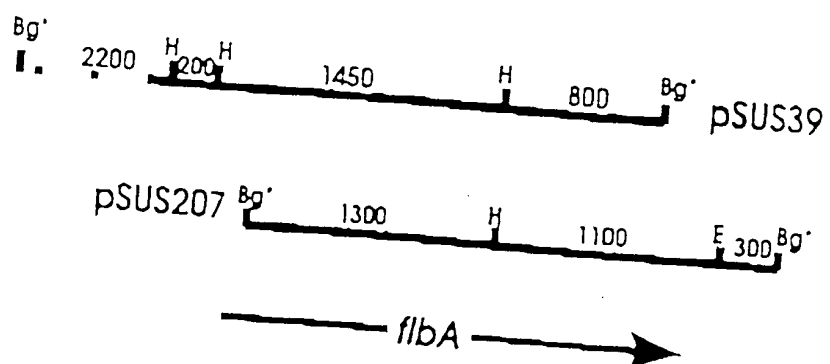


FIGURE 1B

1  
 AGC TTT TTT GTG CCA TAC TTT TAA ACT TTA TAT TAT AAT AAG AGA CAA ACA CAC CTA CCA  
 51  
 AAA TTA AGG CAT TGA TTT TAG ATT ATG GCA AAC GAA CGC TCC AAA TTA GCT TTT AAA AAG  
 91  
 121  
 ACT TTC CCT GTC TTT AAA CGC TTC TTG CAA TCC AAA GAC TTA GCC CTT GTG GTC TTT GTG  
 151  
 T F P V F K R F L O S K D L A L V V F V  
 181  
 ATA GCG ATT TTA GCG ATC ATT ATC GTG CCG TTA CCG CCT TTT GTG TTG GAT TTT TTA CTC  
 211  
 I A I L A I I I V P L P F F V L D F L L  
 241  
 ACG ATT TCT ATC GCG CTA TCG GTG TTG ATT ATT TTA ATC GGG CTT TAT ATT GAC AAA CCG  
 271  
 T I S I A L S V L I I L I G L Y I D K P  
 301  
 ACT GAT TTT AGC GCT TTC CCC ACT TTA TTA CTC ATT GTA ACC TTA TAC CGC TTG GCT TTA  
 331  
 T D F S A F P T L L L I V T L Y R L A L  
 361  
 AAT GTC GCC ACC ACT AGA ATG ATT TTA ACC CAA GGC TAT AAA GGG CCT AGC GCG GTG AGC  
 391  
 N V A T T R M I L T Q G Y K G P S A V S  
 421  
 ATT ATT ATC ACG GCG TTT GGG GAA TTT AGC GTG AGC GGG AAT TAT GTG ATT GGG GCT ATT  
 451  
 I I I T A F G E F S V S G N Y V I G A I  
 481  
 ATC TTT AGT ATT TTA GTG CTG GTG AAT TTA TTA GTG GTT ACT AAT GGT TCT ACT AGG GTT  
 511  
 I F S I L V L V N L L V V T N G S T R V  
 541  
 ACT GAA GTT AGC GCG CGA TTT GCC CTA GAC GCT ATG CCA GGA AAG CAA ATG GCG ATT GAT  
 571  
 T E V R A R F A L D A M P G K Q M A I D  
 601  
 GCG GAT TTA AAT TCA GGG CTT ATT GAT GAT AAG GAA GCT AAA AAA CGG CGC GCG GCT CTA  
 631  
 A D L N S G L I D D K E A K K R R A A L  
 661  
 AGC CAA GAA GCG GAT TTT TAT GGT GCG ATG GAT GGC GCG TCT AAA TTT GTC AAA GGC GAT  
 691  
 S O E A D F Y G A M D G A S K F V K G D  
 721  
 GCG ATC GCT TCT ATC ATT ATC ACG CTT ATC AAT ATC ATT GGG GGT TTT TTA GTG GCG GTG  
 751  
 A I A S I I I T L I N I I G G F L V G V  
 781  
 TTC CAA AGG GAT ATG AGC TTG AGC TTT AGT GCT AGC ACT TTC ACT ATC TTA ACC ATT GGC  
 811  
 F O R D M S L S F S A S T F T I L T I G  
 841  
 GAT GCG CTT GTA GGG CAA ATC CCT GCC TTA ATC ATT GCG ACA CGG ACC GGT ATT GTC GCC  
 871  
 D G L V G O I P A L I I A T R T G I V A  
 901  
 ACT CGC ACC ACG CAA AAC GAA GAA GAG GAC TTT GCT TCT AAG CTC ATC ACA CAG CTC ACC  
 931  
 T R T T O N E E E D F A S K L I T Q L T  
 961  
 AAT AAA AGC AAA ACT TTA GTG ATT GTG GCG GCG ATT TAT TGC TTT TGC ACC ATT CCT GGA  
 991  
 N K S K T L V I V G A L Y C F C T I P G  
 1021  
 CTC CCT ACC TTT TCT TTA GCG TTT GTA GGG GCT CTC TTT TTA TTC ATC GCA TGG CTG ATT  
 1051  
 L P T F S L A F V G A L F L F I A W L I  
 1081  
 AGC AGG GAG GGA AAG GAC GGG TTG CTC ACT AAA TTA GAA AAT TAT TTG AGT CAA AAA TTC  
 1111  
 S R E G K D G L L T K L E N Y L S Q K F  
 1141  
 GGC TTG GAT TTG AGC GAA AAA CCC CAC AGC TCC AAA ATC AAA CCC CAC GCG CCC ACC ACA  
 1171  
 G L D L S E K P H S S K I K P H A P T T  
 1201  
 AGG GCT AAA ACC CAA GAA GAG ATT AAA AGA GAA GAG CAA GCG ATT GAT GAA GTG TTA  
 1231  
 R A K T O E E I K R E E E O A I D E V L

FIGURE 2A

1261 AAA ATT GAA TTT TTA GAA TTG GCT TTA GGC TAT CAG CTC TAC AGC TTA GCG GAC ATG AAA  
 K I E F L E L A L G Y O L Y S L A D M K  
 1291  
 1321 CAA GGG GGC GAT TTG TTA GAA AGG ATT AGG GGT ATT AGA AAA AAG ATA GCG AGC GAT TAT  
 O G G D L L E R I R G I R K K I A S D Y  
 1351  
 1381 GGT TTT TTG ATG CCT CAA ATT AGG ATT AGG GAT AAT TTA CAA CTC CCC CCA ACG CAT TAT  
 G F L M P O I R I R D N L O L P P T H Y  
 1411  
 1441 GAA ATC AAG CTT AAG GGC ATT GTG ATT GGT GAA GGC ATG GTG ATG CCG GAT AAG TTT TTA  
 E I K L K G I V I G E G M V M P D K F L  
 1471  
 1501 GCC ATG AAT ACC GGT TTT GTG AAT AAA GAA ATT GAA GGC ATT CCT ACT AAA GAG CCG GCT  
 A M N T G F V N K E I E G I P T K E P A  
 1531  
 1561 TTT GGA ATG GAC GGT TTA TGG ATT GAA ACT AAA AAT AAA GAA GAA GCC ATC ATT CAA GGC  
 F G M D A L W I E T K N K E E A I I Q G  
 1591  
 1621 TAT ACC ATT ATT GAT CCA AGC ACC GTT ATT GCG ACG CAC ACC AGC GAA TTA GTG AAA AAA  
 Y T I I D P S T V I A T H T S E L V K K  
 1651  
 1681 TAC GCT GAA GAT TTT ATC ACT AAA GAT GAA GTG AAA TCC CTT TTA GAG CCG TTG GCC AAA  
 Y A E D F I T K D E V K S L L E R L A K  
 1711  
 1741/591 GAC TAT CCT ACG ATT GTA GAA GAG AGT AAA AAA ATC CCC ACC GGT GCG ATC CGA TCA GTC  
 D Y P T I V E E S K K I P T G A I R S V  
 1771  
 1801 TTG CAA GCC TTG TTG CAT GAA AAA ATC CCC ATT AAA GAC ATG CTC ACT ATT TTA GAA ACG  
 L O A L L H E K I P I K D M L T I L E T  
 1831  
 1861 ATT ACC GAT ATT GCG CCA TTA GTT CAA AAC GAT GTG AAT ATC TTA ACC GAA CAA GTG AGG  
 I T D I A F L V O N D V N I L T E O V R  
 1891  
 1921 GCG AGG CTT TCT AGG GTG ATC ACT AAC GGT TTT AAA TCT GAA GAC GGG CGT TTG AAA TTT  
 A R L S R V I T N A F K S E D G R L K F  
 1951  
 1981 TTA ACC TTT TCT ACC GAT AGC GAA CAA TTT TTG CTT AAT AAA TTG CGA GAA AAT GGC ACT  
 L T F S T D S E O F L L N K L R E N G T  
 2011  
 2041 TCT AAG AGC CTA CTA CTC AAT GTG GGC GAA TTG CAA AAA CTC ATT GAA GCG GTC TCT GAA  
 S K S L L L N V G E L Q K L I E A V S E  
 2071  
 2101 GAG GCC ATG AAA GTC TTG CAA AAA GGC ATC CCT CCG GTG ATT TTG ATC GTA GAG CCT AAT  
 E A M K V L O K G I A P V I L I V E P N  
 2131  
 2161 TTA AGA AAA GCC CTT TCT AAT CAA ATG GAG CAG GCT AGG ATT GAT GTA ATC GTG CTA AGC  
 L R K A L S N O M E O A R I D V I V L S  
 2191  
 2221 CAT GCT GAA TTA GAT CCT AAC TCT AAT TTT GAA GCC TTA GGC ACG ATC CAT ATT AAC TTT  
 H A E L D P N S N F E A L G T I H I N F  
 2251  
 2281 TAA GGG ATA AAT AAT TGA TAA AAA AGG AGA ATG ATG CAA GTT TAT CAC CTT TCA CAC ATT  
 2311  
 2341 GAT TTA GAC GGC TAT GCA TGC CAG CTT GTT TCA AAA CAA TTT TTT AAA AAT ATC CAA TGC  
 2371  
 2401 TAT AAC GCT AAT TAC GCG CGT GAA GTC TCA GCG AGA ATT TAT GAG ATT TTA AAC GCG ATC  
 2431  
 2461 GCT CAA TCT AAA GAG AGT GAA TTC CTT ATT TTG ATT AGC GA  
 2491

1 MANHRS-KLAFKKTFFVFKRFLSKDLALVVFVIAIIIIIVPLPPFVLDLFTISIALS HpFlba  
 1 MAYONKIVDLVFPFLGPIAPVLKAKSLTIVGFLVCILAIIVPLPSPILDFFLALSIALS CjFlba  
 1 MADAAPNASSMPSAXSLDGLMRGEMGLAGVVGIIIVLLIIPVPAFLLDVLLAISLTGS CcFlbf  
 1 .....MNPDLLEHLNRIGERKDIMLAVLLAVVFMVLPPLPLVDILIAVMTIS YpLcrd  
 1 .....MLLSLLNSARLRPELLILVLMVMIISMFIPLPTTYLVDFLIALNIVLA StInva  
 1 .....MVMIIAMLIIPPTTYLVDFLIGLNVLA SfmXia  
 .....  
 60 VLIILIGLYIDKPTDFSAFPTLLIIVTLVRLALNVATPMILTGOYKGPSAVSIIITAFG HpFlba  
 61 VLIILISIIYIPKFTDLTFTPTLILITLFLSLNIATRMILSEGONGPEAVSEIIAAGF CjFlba  
 61 VLIILMTAILIKKPLEFTSFPTVLLVTTLFRIGLNIATRLILSHGOEGTGGAGAVIEAGF CcFlbf  
 52 VVLLMIAIYINSPLQSAFPAVLLVTTLFRALSVSTTRMILLO-----ADAGQIVYTFG YpLcrd  
 49 ILVFMGSFYIDRILSFSTFPAVLLITTLFRALSSISTSRLLIEA-----DAGEIIATFG StInva  
 29 ILVFMGSFYIERILSFSTFPAVLLITTLFRALSSISTSRLLIIVDADRGK-----IITTFG SfmXia  
 .....  
 120 EFSVSGNTVIGAIIFSILVVLVLTNGSTRVTEVRARFALDAMPGKOMADADLNSGL HpFlba  
 121 EFWVGGNMFVIGVIVFCILVLFNFMVTKGSTRVSEVOARFTLDAMPGKOMADADLNSGL CjFlba  
 121 FLMOGNFVIGVIVFIIIVNFMVTKGSGRIAEVAARFTLDAMPGKOMADADLNSGL CcFlbf  
 107 NFWVGGNMFVIGVIVFIIIVNFMVTKGSGRIAEVAARFTLDAMPGKOMADADLNSGL YpLcrd  
 104 OFVIGDSLAVGFVFSIVTVVQFIVITKGSERVAEVAARFSLDGMPGKOMADADLNSGL StInva  
 84 OFVIGDSLAVGFVFSIVTVVQFIVITKGSERVAEVAARFSLDGMPGKOMADADLNSGL SfmXia  
 .....  
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 181 IDEOTARARROEVIAEAFYGANDGSSKFVKGDALIASIIITLNIIGGFLVGVFORDMSL CjFlba  
 181 ISODEAKKRALEQUESTFFGANDGASKFVKGDALIASIIITLNIIGGFLVGVFORDMSL CcFlbf  
 167 IDVNEARERPATIEKESOMFGSMGAMKFKGDALIASIIIFVNILGGVTIGVTOKGLAA YpLcrd  
 164 IDADARERRSVLERESOLYGSFDMGAMKFKGDALIASIIIFVNILGGVTIGVTOKGLAA StInva  
 144 IDAAGAKERRSILERESOLYGSFDMGAMKFKGDALIASIIIFVNILGGVTIGVTOKGLAA SfmXia  
 .....  
 240 SFSASTFTILTIGDGLVGOIPALIIATRTGIVATRTTONEEDFASKLITOLTNKSKTLV HpFlba  
 241 SDASTFTILTIGDGLVSOIPGLITSTATAIIITRASKDEENFAEGTLTOLLSEYRLLI CjFlba  
 241 GDAASTFTILTIGDGLVSOIPALIIISIAAGMVVSKAGVEGSADKALTTOLAMPVGLGMV CcFlbf  
 227 AEALOLYSILTVDGMVSOVPALLIATAGIIVTRVSSDSSDLGSDIGKOVVAOPKAML YpLcrd  
 224 SSALSTFTILTIGDGLVQIPALLIISAGFIVTRVNGSDN-MGRNIMTOLLNPFVLV StInva  
 204 SGALSTFTILTIGDGLVSOIPALLIISAGFIVTRVNGSDN-MGRNIMSOIFGNPFVLI SfmXia  
 .....  
 300 IVGAIYC-FTIPGLPTFSLAFVGLFLFIAHLISREGHGLLTOKENYLSOKFGLDLSE HpFlba  
 301 VGFVLFI-FALVPGLPTLSLGFALVFLSLGYLTOKVKEGKI-----DITTVKSKPSAA CjFlba  
 301 SASSG-I-IALIPGMPIPPFAAMALA-----AGALAY CcFlbf  
 287 IGGVLLLLFGGLIPGFTVTFLILALVGGGMYLSRKQSRANDANODLOSILTSGSGAPA YpLcrd  
 282 VTAILTISMGTLPGLPVPVFLSVVLSVLFYKPKFAKRSAAKPKTSKGEOPLSIEKE StInva  
 263 VTSALALAIAGMLPGFPFFVFLIAVTLTALFYKPKVVEKEKSLSESDSSGYTG-----SfmXia  
 .....  
 359 KPHSSKIKPHAPTTRAKTOEEIKREEDDAIDEVLKIEFLELALGYOLYSLADMKOGGDL HpFlba  
 355 VASOSGAGCTTAAPAKKSEEEILKEEENKINDILKVEILELELGYGLIKLAE----NLT CjFlba  
 331 KRVODANKPKALDPADLEAAAPSEPEEPIASLAIDDVKIELGYGLLTINDLDGRKLT CcFlbf  
 347 ARTKAKTSGANKGRLGEOEAFAMTVPLLDVDS-----SOOEALANALN YpLcrd  
 343 GSSLGLIGDLDRKSTE-----TVPLILLVPKSRREDLEKA StInva  
 316 .....TFDIDNTHDSSLAMENLDRISSETVPLILLFAENKINANDME SfmXia

FIGURE 3A

419 ERIRGIRKXIASDYGFLMPOIRIRDNLOLPPTHYEIKLKGIVIGEGMVMPDKFLAMNTGF HpFlba  
 411 ERIRSMRARSIAESLGFLMPKIRIRDNLRKPNYESFKLKGVSIAAEIYPDKYLAMDSGF CjFlba  
 391 DOIRALRKTASEYGFVMPVVRILDNMLANOGYAIRIKEMEAGAGEVRLGCLMCMDFRG CcFlbf  
 392 DELVRVRALYLDLGVPPFGIHLRFNEGMEGEYIISLOEVPVARGELKAGYLLVRESVS YpLcrd  
 378 OLAERLRSOFFIDYGVRLPEVLLRDGRLDDNSIVLLINEIRVEOFTVYFD--LMRVVNY StInva  
 359 GLIERIRSQFFIDYGVRLPTILYRTSNELKVDDIVLLINEVRADSFNIYFDKVCITDENG SfmXia  
 . . . . .  
 479 VNKEIEGIPTKEPAF--GMDALWIETKQKEEAIIOGYTIIDPSTVIATHTSELVKYAED HpFlba  
 471 ITEEIEGIATKEPAF--NSDALWIDANLKD EATLNGYIVIDPASVISTHMSSELIKAHASE CjFlba  
 451 GOVELPGEHVREPAF--GLPATWIADDLREEATFRGYTVDPATVLTTHLTELKENMAD CcFlbf  
 452 OLELLGIPYEKGEHLLPDQEAFFVSVEYEERLEKXSOLEFFSHSQVLTWHLSHVLEAED YpLcrd  
 436 SDEVVSFGINPTIHOOGSSQYFHVTHEEGKRELGYVLRNALDELYHCLAVTVARNVNE StInva  
 419 DIDALGIPVVSTS--YNERVISWVDVSYTENLTNIDAKIKSAQDEFYHOLSQALLNNINE SfmXia  
 . . . . .  
 527 FITWDEVKSLERLANDYPTIVEESK-KI-PTGAIRSVLOALLHEKIPKIDMLTILETIT HpFlba  
 529 LLTROEVONLLDKVNDYPIIVEGAL-GVAPVSLIOKILKDLKHIPIKIDMLTILESVS CjFlba  
 509 LLSYAEVOKLLKELPETOKKLVDLIPGTVTATTVORVLOSLLRERSIRDLPQILEGVG CcFlbf  
 512 FIGIOETRYLLEOMEGGYGELIKEVOR-IVPLORMTEILORLVGEDISIRNMRISILEAMV YpLcrd  
 496 YFGIOETRMLDLEAKFPDLLKEVLRH-ATVORISEVLORLLSERVSVRNMLIMEALA StInva  
 477 IFGIOETRMMLDOFENRYPDLLKEVFRHV-TIORISEVLORLLGENISVRNKLIMESLA SfmXia  
 . . . . .  
 595 DIAPLVONDNVILTEOVRAPLSRVITNAFKSEDPKFLTFSTDSEOFLLNKLRENGTSK HpFlba  
 588 DIAE-VSKSFDMIIEHVRA SLARMITNMYLDDKGNLDIFILDSASSAVLMEHVORFGSY CjFlba  
 569 EAPHTA-SVTOLVEOVRARLAROLCHANGDDGALPIITLSADWEQAFAEALIGPGDDK CcFlbf  
 571 EHGOK-EKDVVOLTEYIRSSLKRYICYKANGNNILPAYLFDQEEVEEKIRSGVROTSAGS YpLcrd  
 555 LWAPR-EKDVINLVEHIRGAMARYICHKF-ANGGELPAVMVSAEVEDVIRKGIROTSGST StInva  
 536 LWAPR-EKDVITLVEHVRA SLRYICSK-IAVSGEIKVMVLSGYIEDAIRKGIROTSAGS SfmXia  
 . . . . .  
 655 SLLNNGELOKLIFAVSEEMKVLOKGIAPVILIVEPNLRKALSNAMEOARIDVIVLSHA HpFlba  
 647 ELPLSAOTGTLDVTLRAEVAAVANGRIKPFILCPEPOLRKFIADICYNFSINIVVLSFA CjFlba  
 628 OLALPPSPLODFIRGVRDSFERAALAGEAFVLL-TSPGVRPYVRSIIEFRGOTVVMSON CcFlbf  
 630 YLALPANTESLLEOVRKTIGDLSQIOSKP-VLIVSMDIRRYVRKIESEYYGLPVLSYQ YpLcrd  
 613 FLSLOPFASANLMDLITLKLDDLLIAH-KDLVLLTSVDVRRFIKMIIEGRFPDLEVLSFG StInva  
 594 FLNMDIEVSDEVMTLAHALREL-RNAKQNFVLLVSVDIRRFVRLIDNRFSILVISYA SfmXia  
 . . . . .  
 715 ELDPNSTFEALGTIHINF  
 707 EIAENTNTEGIIRIEL  
 687 EIHPRAPLKTVMV----  
 689 ELTOOINIQLGRICL--  
 672 EIASKSVNVIKTI----  
 653 EIDEAYTINVLKTI----  
 . . . . .  
 HpFlba  
 CjFlba  
 CcFlbf  
 YpLcrd  
 StInva  
 SfmXia

FIGURE 32

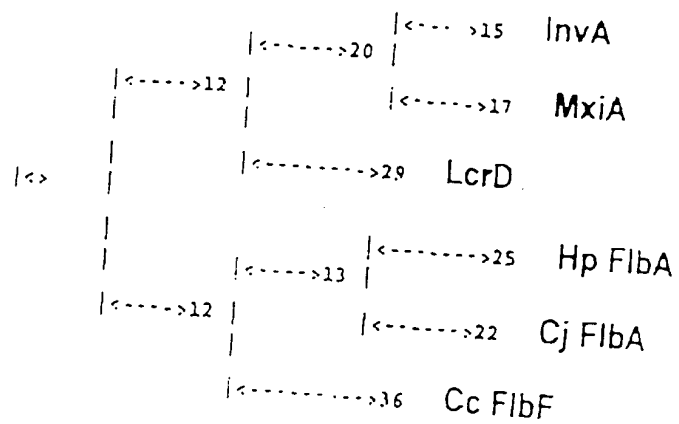


FIGURE 4

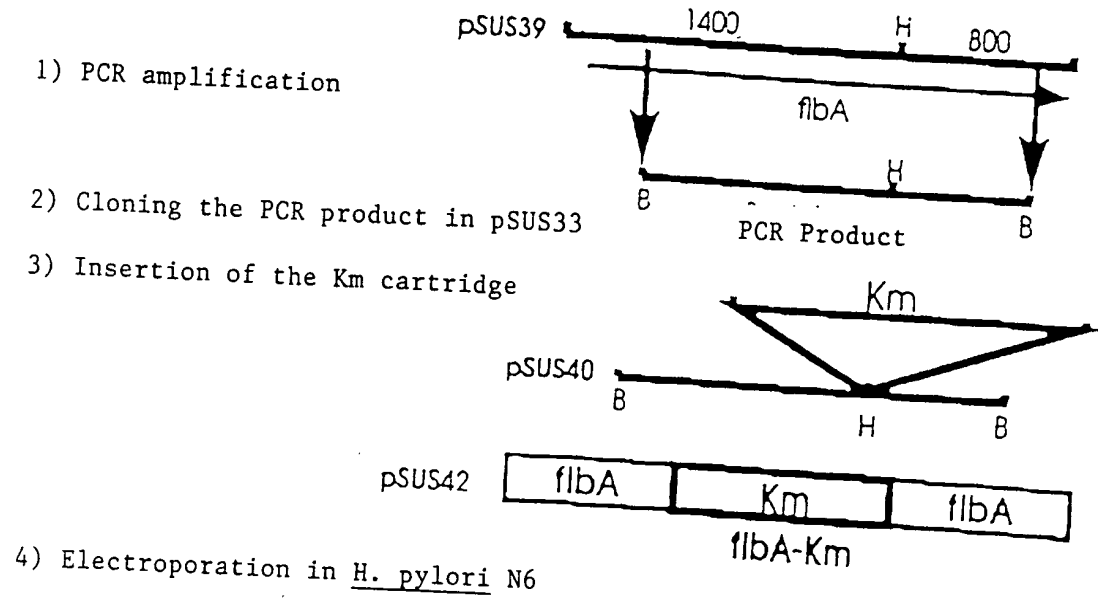


FIGURE 5



1 2 3 4 5

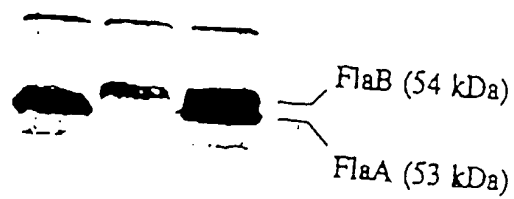
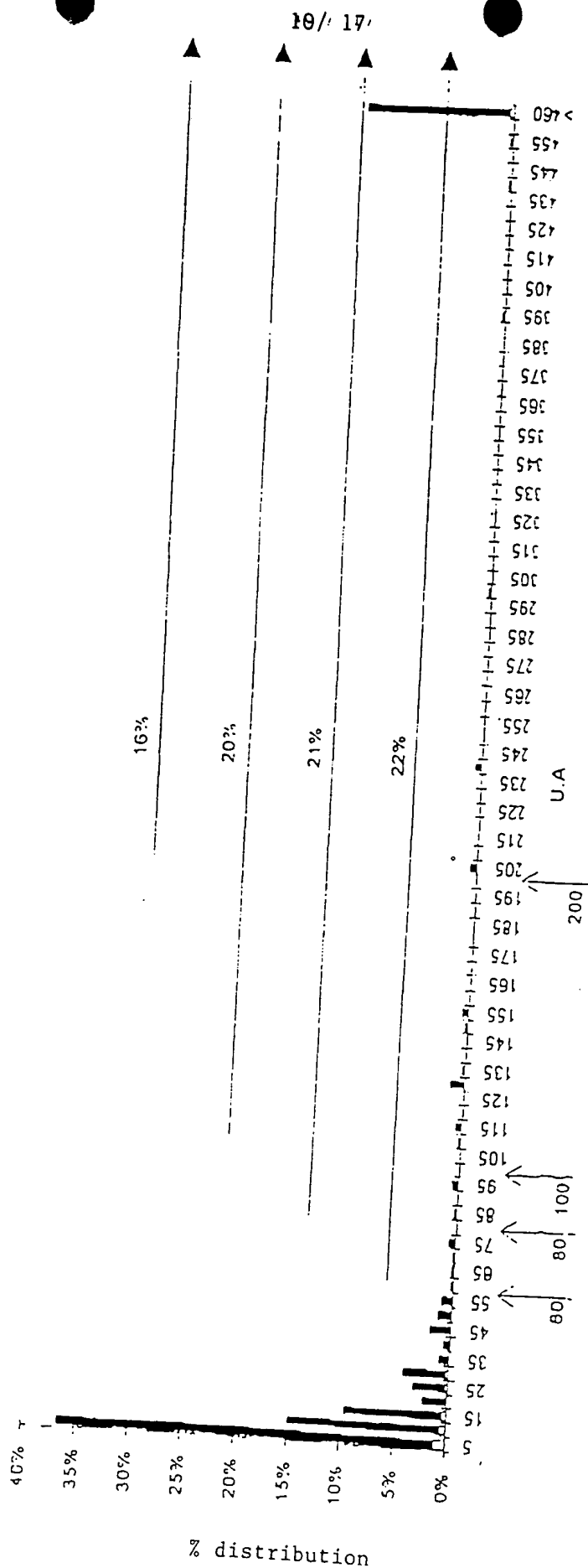


FIGURE 6

Distribution of the 300 FNTS serums relative  
to the unsouraged N6flBA strain  
Extraction by means of N-octyl-glucoside



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Distribution of the 300 FNTS serums relative to  
the scourged N6 strain  
Extraction by means of N-octyl-glucoside

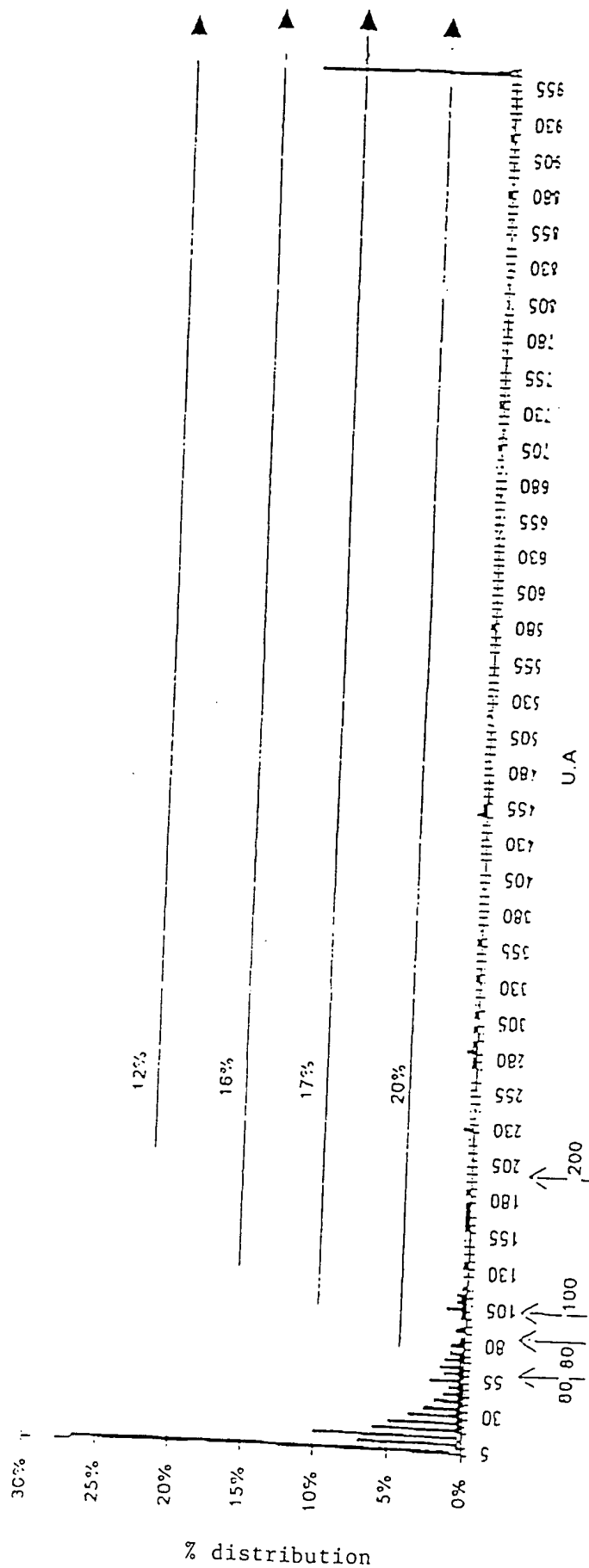


FIGURE 8

Distribution of the 300 FNTS serums relative to the  
 discouraged N6flBA strain --  
 Extraction by means of PBS

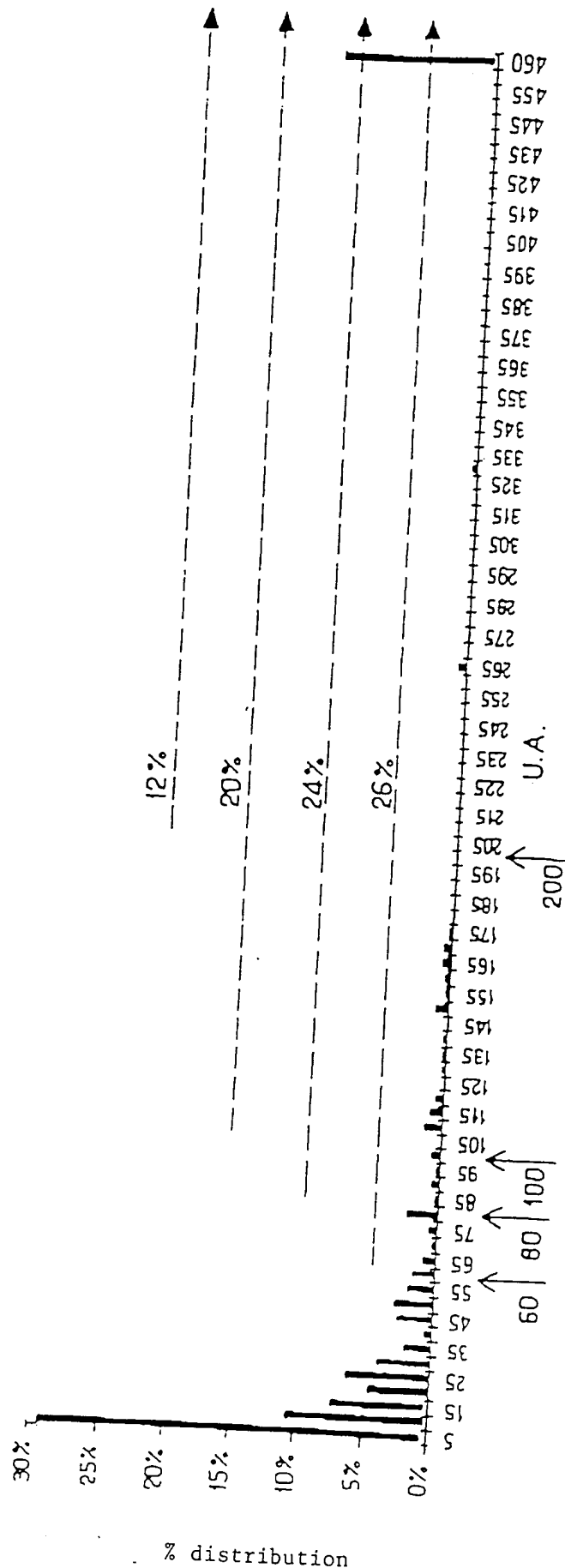


FIGURE 9

The presence of positiveness in 43 FNTS serums

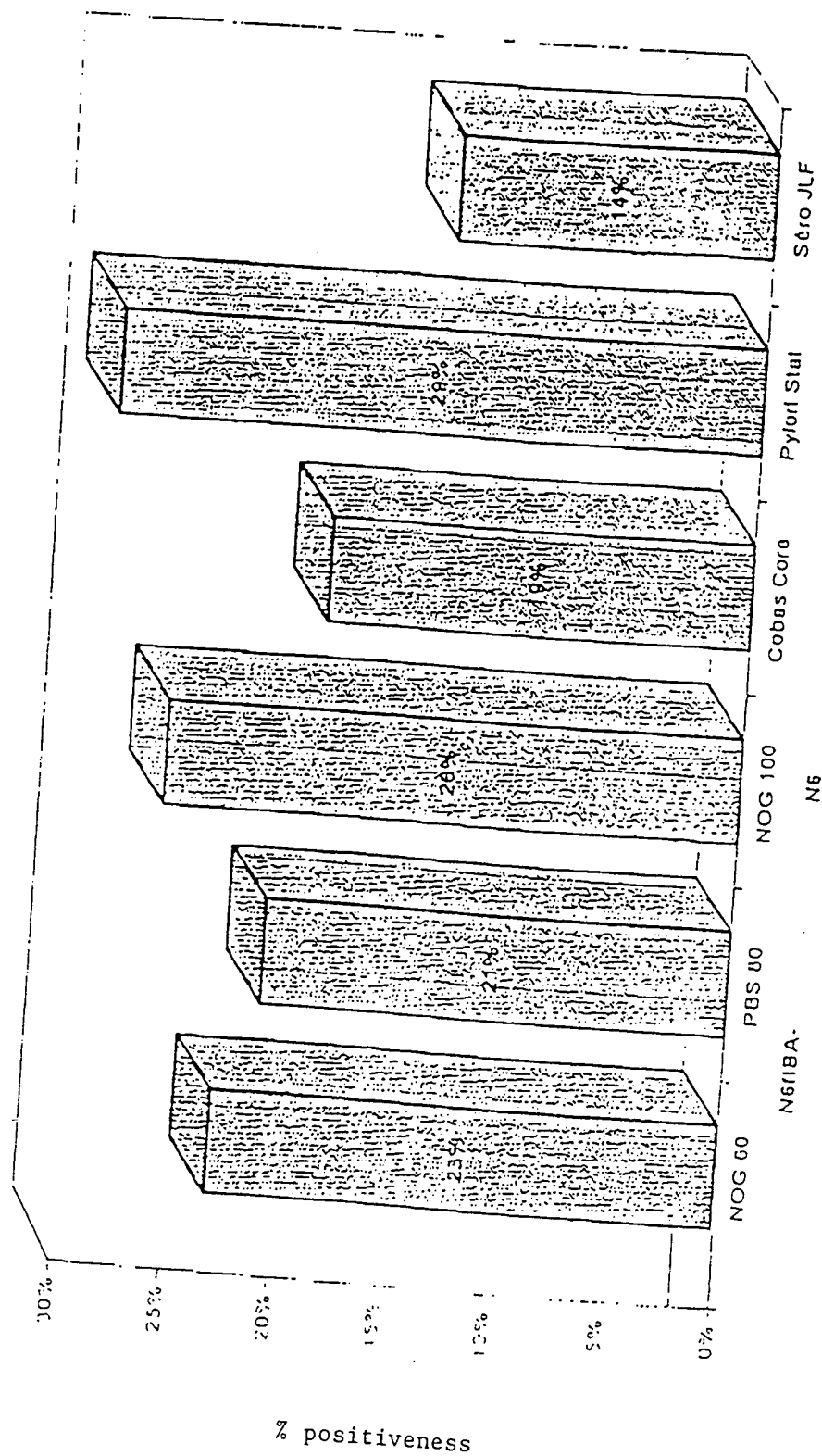


FIGURE 10

The ROC curve of the N6f1BA N-octyl-glucoside extract

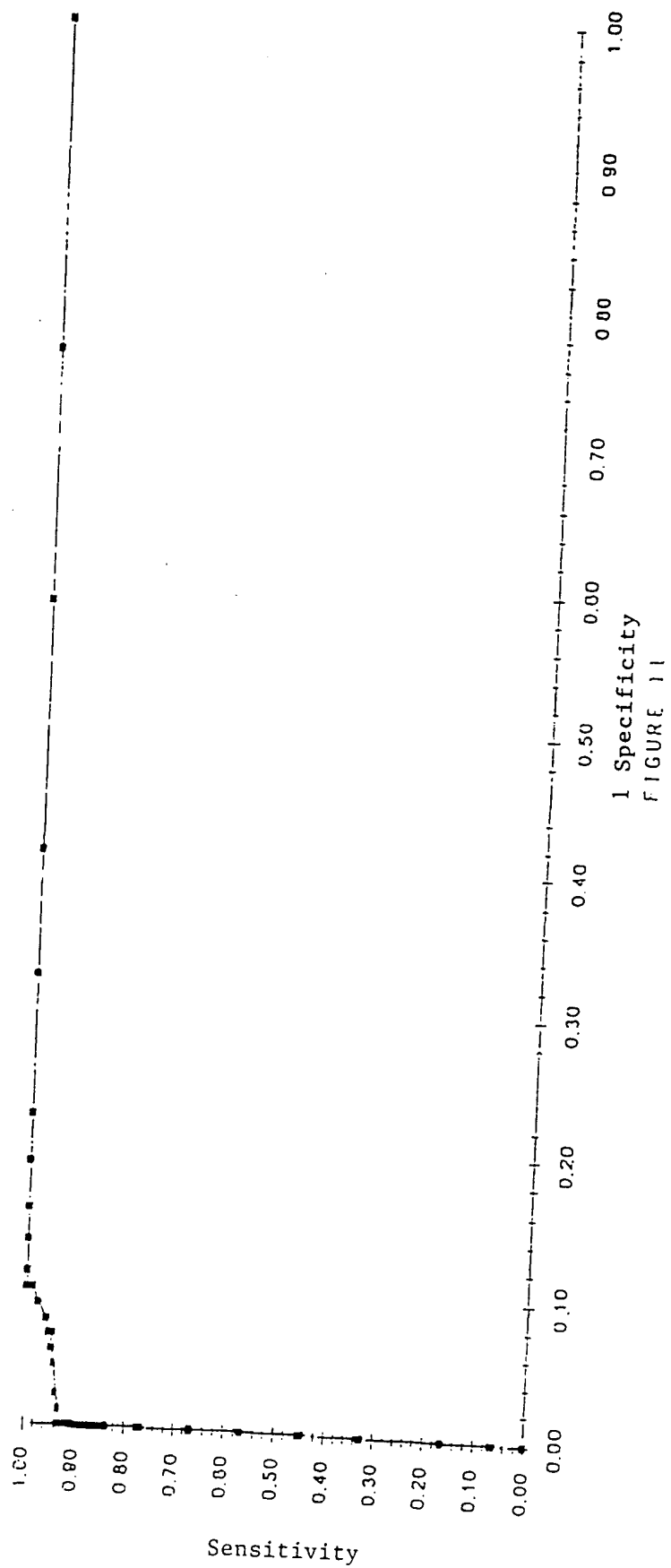
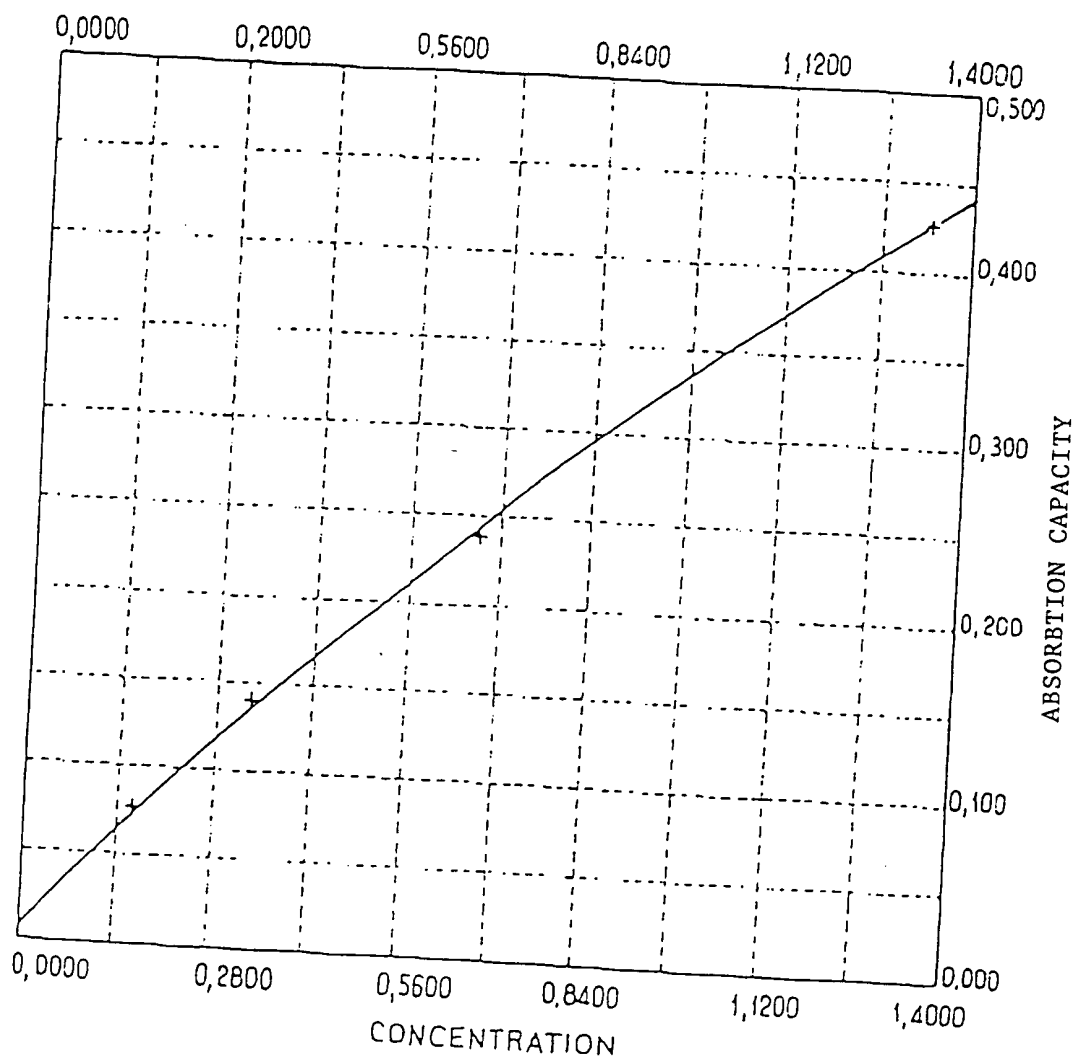
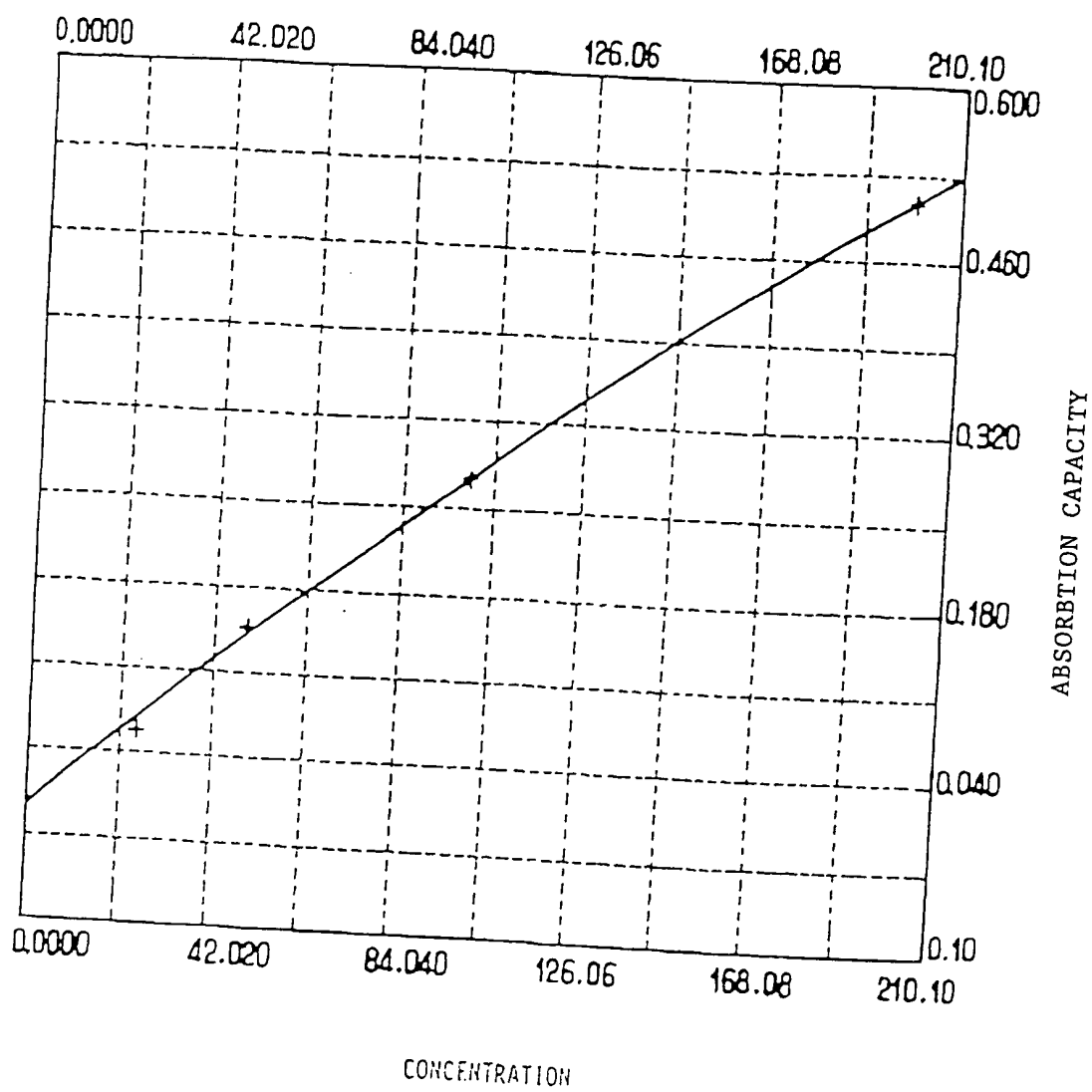


FIG. 12

AMOUNT II



Type of extract	DO @750nm	concentration in mg/ml
Glycine (after centrifuga- tion for 15 min @ 3000 g)	0,028	0,284
N-octyl-glycoside	0,087	1,004
Supernatant 1 (after 1st PBS washing)	0,059	0,844
Supernatant 2 (after 2nd PBS washing)	0,015	0,1105

FIG. 13(A)



Type of extract	DO@ 760 nm	concentration in $\mu\text{g/ml}$
Glycine (after centrifugation for 15 min @ 3000g)	0.279	202.86
<u>N-octyl-glucoside</u>	0.243	873.99
Supernatant 1 (after 1st PBS washing)	0.361	539.2
Supernatant 2 (after 2nd PBS washing)	0.218	77.875

Type of extract	DO@ 760 nm	concentration in $\mu\text{g/ml}$
Glycine residue (after 15 min of centrifugation at 3000g)	0.099	297.5
Glycine residue (after extraction)	0.093	2778.7
<u>N-octyl-glucoside (after extraction)</u>	0.275	972.0

FIGURE 13B